



Project: Alaska Copper Works

Inspection Date: 5/30/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

| | | | | | |
|--------------------------------|----------|------------|----------|------------|---|
| Flow Rates (gpm) | Influent | <u>n/a</u> | Effluent | <u>n/a</u> | The flows should be ~155 gpm |
| Bag Filter #1 Pressures (psi) | Influent | <u>8</u> | Effluent | <u>8</u> | The bag filters should be replaced if differential pressure > 8 psi |
| Bag Filter #2 Pressures (psi) | Influent | <u>8</u> | Effluent | <u>8</u> | |
| Carbon Filter Pressures (Lead) | Influent | <u>n/a</u> | Effluent | <u>n/a</u> | The carbon filters should be backflushed if differential pressure > 8 psi |
| Carbon Filter Pressures (Lag) | Influent | <u>n/a</u> | Effluent | <u>n/a</u> | |

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

| Task | Completed (Y/N) | Issues/Notes/Comments |
|----------------------------------|---|--|
| Walchem Controller Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Flow Meters Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Level Sensor Cleaning/Inspection | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Inspect System Plumbing | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Drip on pretreat decant line between tanks |
| Pumps Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| General Housekeeping | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Chemistry Level | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | ~70 gal |
| Safety Materials Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| pH Probe Inspection/Calibration | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

| | | | | | |
|------------------------|----|-------------|-----------|-------------|-----|
| Raw water: | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |
| Bag Filter Influent | pH | <u>7.56</u> | Turbidity | <u>6.84</u> | NTU |
| Bag Filter Effluent | pH | <u>7.51</u> | Turbidity | <u>3.81</u> | NTU |
| Carbon Filter Influent | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |
| Carbon Filter Effluent | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

Additional Comments, Recommendations and System Upsets:

No water in vault and no water discharged to carbon vessels.
Replaced cartridge filters on 5/30/19.

David DuBois

Technician

Project Lead Tech

Title

5/30/19

Date

Submit